| In | de | X | of | CI | air | ns |  |
|----|----|---|----|----|-----|----|--|
|    |    |   |    |    |     |    |  |

Application/Control No.

Thomas M. Lithgow

Applicant(s)/Patent under Reexamination

10/661,994

REITZ ET AL.

Examiner

Art Unit

1797

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

**Appeal** Α 0 Objected

|  |  | _        | 1  | _            |          |          | J  |              | _  | !              |     |       |  |          |          | - |
|--|--|----------|--|--------------|----------|----------|--|--------------|--|----------------|-----|-------|--|----------|----------|---|
| Cli  | T  |          |  | (            | Dat      | e        |  |              |  | 1              | Cla | aim   |  |          | _        |   |
| Finat  | Original   | 0        | ct   | 0 ,          | 7        |          |  |              |  |                |     | Finat | Original                               | V        | ut<br>v  |   |
| -  |  | 1        | $\vdash$   | -            | -        |          |  | -            |  | $\vdash$       | 1.1 |       | 51                                     | J        | <u> </u> | ł |
|  | 1<br>2<br>3<br>4<br>5<br>6                               | -        | <del>                                     </del> |              |          |          |  | Т            | $\vdash$   | $\vdash$       | 1 1 |       | 51<br>52                               | 7        |          | t |
|  | 28   |          |  |              |          |          |  |              |  |                | ] [ |       | 53<br>54<br>55                         | V        |          | İ |
|  | 4  | <b>V</b> |  |              |          |          |  |              |  |                | ] [ |       | 54                                     |          |          | I |
|  | 1  | L,       | _  | <u> </u>     |          |          | L  | _            |  | 1_             |     |       | 55                                     | ~        | _        | L |
|  | 6  | V        | _  | <u> </u>     |          | _        |  | _            | ┡  | <u> </u>       |     |       | 56                                     | M        | _        | ļ |
|  | 7  | 11       |  | <u> </u>     | _        | _        | <u> </u>   | <u> </u>     | ⊢  | ⊢              |     |       | 57                                     | W        | _        | 1 |
|  | 8<br>9   | ₩        | H  | ⊢            | ⊢        | ├        |  | <b></b>      | <u> </u>   | -              |     |       | 58                                     | W        | _        | ļ |
|  | 10   | H        | ⊢  | ⊢            | $\vdash$ | -        | -  | $\vdash$     | ├  | ╌              | { } |       | 59<br>60<br>61<br>62<br>68<br>64<br>65 | W        | -        | ł |
| $\vdash$   | 11   | H        | ╁╾   | ╁            | -        | ┝        | _  | <del> </del> | ╁  | ┢              | {   |       | 64                                     | -        | _        | ł |
| -  | 12   | ╁        | ┢  | ┢            | -        | $\vdash$ |  | -            | $\vdash$   | $\vdash$       | 1 1 | -     | 60                                     | -        | -        | t |
|  | 13   | H        | H  |              | $\vdash$ |          | 1  | _            | ╁  | 一              | 1 1 |       | 68                                     | -        | $\vdash$ | t |
|  | 14   | 1        |  |              | -        | -        | -  | T            | $\vdash$   | ┢              | 1 1 |       | 64                                     | -        |          | t |
|  | 15   |          |  |              |          | Γ        |  |              |  | Г              |     |       | 65                                     | 7        |          | t |
|  | 16   | 7        |  |              |          |          |  |              |  |                |     |       | 66                                     |          |          | t |
|  | 17   | V        |  |              |          |          |  |              |  |                |     |       | 67                                     |          |          | Ī |
|  | 18   |          |  |              |          |          |  |              |  | L              |     |       | 68                                     |          |          | Ī |
|  | 19   | V        | _  | _            | _        | _        | L  |              | <u> </u>   |                |     |       | 69                                     |          |          |   |
|  | 20   | 1        | _  | <u> </u>     |          | _        |  | _            | <u> </u>   |                |     |       | 70                                     |          | _        | l |
|  | 21   | Ц,       | <u> </u>   |              |          |          | _  | _            | <u>L</u>   |                |     |       | 71                                     |          |          | ļ |
|  | 22   | V        | <u> </u>   | -            |          | ┡        |  | <u> </u>     | ▙  |                |     |       | 72                                     |          |          | 1 |
|  | 4  | -        | H  | -            |          | -        | ⊢  |              | <u> </u>   | _              |     |       | 73                                     |          | _        | ł |
|  | 4  | -        | $\vdash$   | -            | $\vdash$ | ⊢        | -  | -            |  | -              |     |       | 74<br>75                               |          |          | ł |
| <del> </del>                                     | 136  | ⊢        | -  | -            | $\vdash$ | ├        | ⊢  | ┝            | ├  | <del> </del> — |     |       | 76                                     |          |          | ł |
| <del>                                     </del> | <del>7</del>   | H        |  | <del> </del> | -        |          | -  | $\vdash$     |  | $\vdash$       | 1 1 |       | 77                                     | _        |          | ł |
|  | 20<br>21<br>22<br>28<br>24<br>26<br>26<br>27<br>38<br>49 | H        | $\vdash$   |              | $\vdash$ | _        | <del>                                     </del> | -            | ┢  | -              | 1 1 |       | 78                                     |          |          | ł |
|  | 19   | Г        | _  | _            |          |          |  | $\vdash$     |  |                |     |       | 79                                     |          |          | t |
|  | 30   |          |  |              |          | _        |  |              |  | <u> </u>       |     |       | 80                                     |          |          | t |
|  | 31   |          |  |              |          |          |  |              |  |                |     |       | 81                                     |          |          | t |
|  | 132  |          |  |              |          |          |  |              |  |                |     | •     | 82                                     |          |          | Ī |
|  | 313  |          | Ĺ  |              |          |          |  |              |  |                | [   |       | 83                                     |          |          | ſ |
|  | 34   |          | L  | Ь.           |          |          |  |              |  | L.             |     |       | 84                                     |          |          | L |
| ļ  | 35   |          | ldash  |              |          | _        | <u> </u>   | <u> </u>     | $\vdash$   | $oxed{oxed}$   |     |       | 85                                     | Щ        |          | L |
|  | 34<br>35<br>36<br>37<br>38<br>39                         | _        | $\vdash$   | $\vdash$     | Ш        |          | <u> </u>   | $\vdash$     | <u> </u>   | L              | ·   |       | 86                                     |          |          | L |
|  | 1/   | -        | $\vdash$   | $\vdash$     | $\vdash$ | -        | $\vdash$   | <u> </u>     | <del>                                     </del> | $\vdash$       |     |       | 87                                     | $\sqcup$ |          | ŀ |
|  | 30   | $\vdash$ | -  | $\vdash$     | -        | _        |  | _            | $\vdash$   | ⊢              |     |       | 88<br>89                               | $\dashv$ |          | ŀ |
|  | 40   |          | ├  | $\vdash$     | Н        | $\vdash$ |  | -            | $\vdash$   | <del>  -</del> |     |       | 90                                     |          |          | ŀ |
|  | 411  |          |  | -            |          |          | $\vdash$   | -            | $\vdash$   | H              |     |       | 91                                     | -        | _        | H |
|  | 42   |          |  |              | Н        |          | Т  |              | $\vdash$   | $\vdash$       |     |       | 92                                     |          |          | H |
|  | 42<br>43<br>44   | _        |  |              | П        |          |  | _            | П  |                |     |       | 93                                     | $\neg$   |          | t |
|  | 44   | Π        |  | П            |          |          |  | Г            | П  | <u> </u>       |     |       | 94                                     |          | _        | r |
|  | 45   |          |  |              |          |          |  |              |  |                |     |       | 95                                     |          |          | Γ |
|  | 45<br>46   |          |  |              |          |          |  |              |  |                |     |       | 96                                     |          |          |   |
|  | M  |          |  |              |          |          |  |              |  |                |     |       | 97                                     |          |          | Ĺ |
|  | 48   | 7        | ldash  |              | Ш        |          | $\vdash$   | _            | _  | Щ              |     |       | 98                                     | _        |          | L |
|  | 49<br>50   | V        | <u> </u>   | <u> </u>     | $\Box$   | $\vdash$ |  | _            | _  | _              |     |       | 99                                     | _        |          | L |
| <u> </u>   | _ JU   | لــَــا  |  |              |          |          |  |              | <u> </u>   | L              | l L |       | 100                                    |          |          | L |

| Cla      | aim      |              |                |  | _        | Dat           | <br>e    |  |              |              |
|----------|----------|--------------|----------------|--|----------|---------------|----------|--|--------------|--------------|
|          | _        |              |                | Г  | Г        | T             | Ť        | Т  | Т            | Г            |
| Finat    | Original | V            | ut             | 00-  | 7        |               |          |  |              |              |
| "        | ŏ        |              | v              |  |          |               |          |  |              |              |
|          | 51       | V            |                |  |          |               |          |  |              |              |
|          | 52       | V            |                |  |          |               |          |  |              |              |
|          | 53       | V            |                |  |          | Г             | Г        |  |              | Г            |
|          | 54       |              |                |  |          |               | $\vdash$ | <del>                                     </del> |              | $\vdash$     |
|          |          | V            | -              | <del>                                     </del> |          |               | $\vdash$ |  | ┢            | <del> </del> |
| -        | 56       | XXXX         |                | <del> </del>                                     | -        | -             | ┢╾       | -  | ╁            | ⊢            |
|          | 57       | . /          | -              | $\vdash$   | ├        | -             |          | ╁  | ├            | ┢            |
|          | 58       | W.           | $\vdash$       | -  | -        | ⊢             | -        | ├  | ┢            | ⊢            |
|          | 59       | W            | ⊢              | -  | -        | 1             |          | -  | ├            | ⊢            |
|          |          | W.           | -              | -  | -        | -             | -        | -  | -            | -            |
|          | 60       | <del> </del> | ⊢              | -  | -        | ⊢             | -        | -  | H            | ⊢            |
| -        | 64       | ļ            | -              | <u> </u>   |          | _             | -        | <u> </u>   | ļ            | ļ            |
|          | 62       |              | <del> </del> — | <del> </del>                                     |          | -             | ⊢-       | <u> </u>   | <del> </del> | <del> </del> |
| <u></u>  | 68       |              | <u> </u>       | $\vdash$   | <u> </u> | <u> </u>      | <b>!</b> | <u> </u>   | <u> </u>     | ļ            |
|          | 64       | L            | _              |  | <u> </u> | _             | <u> </u> | <u> </u>   | <u> </u>     |              |
| <u> </u> | 65       | <b>√</b>     | <u> </u>       | _  |          | <u> </u>      | <u> </u> | <u> </u>   | Ŀ            | _            |
| <u> </u> | 66       | _            | _              | _  | L_       | $oxed{oxed}$  | _        | ļ  |              | Ш            |
| L        | 67       | _            | _              | <u> </u>   | L.       |               | <u>_</u> | L  | L            |              |
| L        | 68       |              |                |  | L        |               | L        | L  |              |              |
|          | 69       | _            | _              |  |          |               |          |  |              |              |
|          | 70       |              |                |  |          |               |          |  |              |              |
|          | 71       |              |                |  |          | Γ             |          | П  | П            |              |
|          | 72       |              |                |  |          |               |          |  |              |              |
|          | 72<br>73 |              |                |  |          |               |          |  |              |              |
|          | 74       |              |                |  |          |               |          |  |              |              |
|          | 75<br>76 |              |                |  |          |               |          |  |              | Г            |
|          | 76       |              |                |  | L        |               |          |  |              |              |
|          | 77       |              |                |  |          |               |          |  |              |              |
|          | 78       |              |                |  |          |               |          |  |              |              |
|          | 79       |              |                |  |          |               |          |  |              |              |
|          | 80       |              |                |  |          |               |          |  | Г            |              |
|          | 81       |              |                |  |          |               |          | П  | Г            |              |
| •        | 82       |              |                |  |          |               |          | Π  |              | $\Box$       |
|          | 83       |              |                |  |          |               |          | Π  |              | Γ.           |
|          | 84       |              |                |  |          |               |          | t  |              |              |
|          | 85       |              |                |  |          |               |          | Г  |              |              |
|          | 86       |              |                |  |          |               |          | $I^-$  |              |              |
|          | 87       |              |                |  |          |               |          |  |              |              |
|          | 88       |              |                |  |          |               |          | $\Box$   | <u> </u>     |              |
|          | 89       |              |                |  | _        |               |          |  | Г            |              |
|          | 90       |              |                |  |          |               |          | $\vdash$   |              | _            |
|          | 91       |              |                |  |          |               |          |  |              |              |
|          | 92       |              |                |  |          |               |          |  |              | $\vdash$     |
|          | 93       |              |                |  |          |               |          |  |              | $\Box$       |
|          | 94       |              |                |  |          |               |          |  | П            | $\vdash$     |
|          | 95       |              |                |  |          | _             |          |  | Г            |              |
|          | 96       |              |                |  |          |               |          |  |              |              |
|          | 97       |              |                |  |          |               |          |  |              |              |
|          | 98       |              |                |  |          | $\overline{}$ |          |  |              |              |
|          | 99       |              |                |  |          |               |          |  |              |              |
|          | 100      |              |                |  |          |               |          |  |              |              |

| Cla   | aim               | Date     |          |              |  |                |          |                |          |                 |  |
|-------|-------------------|----------|----------|--------------|--|----------------|----------|----------------|----------|-----------------|--|
|       |                   |          |          | Г            |  |                |          |                |          | П               |  |
| Final | Original          |          |          |              |  |                |          |                |          |                 |  |
|       | 101               |          |          |              |  |                |          |                |          |                 |  |
|       | 102<br>103        |          |          |              |  |                | L        | L              |          |                 |  |
|       | 103               | _        |          | $oxed{oxed}$ | $ldsymbol{ld}}}}}}$ | _              |          | _              | L        | Ш               |  |
|       | 104               | _        | _        |              | ╙  | _              | L        | <u> </u>       | <u> </u> |                 |  |
|       | 105               | <u> </u> | _        | _            | <u> </u>   | <u> </u>       | _        | _              | _        | Ш               |  |
|       | 106               | _        | ┡        |              | <u> </u>   | ⊢              |          | L              | ├-       | Ш               |  |
|       | 107<br>108        |          | $\vdash$ |              | -  | Ͱ              | ⊢        | ⊢              | ⊢        | Н               |  |
|       | 109               | -        | ├        | H            |  | -              | ⊢        | -              | -        | Н               |  |
|       | 110               | ┝        |          | -            | $\vdash$   | <del> </del>   |          | $\vdash$       |          | $\vdash$        |  |
|       | 111               | -        | $\vdash$ | -            | $\vdash$   | -              | -        | ┪              | _        | Н               |  |
|       | 112               | Т        | _        |              | $\vdash$   |                |          | $\vdash$       | Т        |                 |  |
|       | 111<br>112<br>113 |          | Г        |              | $\vdash$   |                | _        | $\vdash$       |          | П               |  |
|       | 114<br>115        |          |          |              |  |                |          |                |          |                 |  |
|       | 115               |          |          | 匚            |  |                |          |                |          |                 |  |
|       | 116               | <u> </u> | _        | $\vdash$     | <u> </u>   | _              | L        | _              |          | Ш               |  |
|       | 117               | _        | _        | <u> </u>     | _  | _              | _        | _              | <b>—</b> |                 |  |
|       | 118               | <u> </u> | <u> </u> | <u> </u>     | <u> </u>   | _              | _        | _              | <u> </u> | Щ               |  |
|       | 119               | -        | ⊢        | ├            | -  | -              |          | <del> </del> — | ⊢        |                 |  |
|       | 120<br>121        |          | -        | ⊢            | ├  | $\vdash$       | -        | _              | ⊢        | $\vdash$        |  |
| -     | 122               |          | $\vdash$ | $\vdash$     | $\vdash$   | <del>  -</del> | -        | -              | -        | $\vdash$        |  |
|       | 122<br>123<br>124 | _        | _        |              | -  | $\vdash$       | _        | $\vdash$       | $\vdash$ | $\vdash$        |  |
|       | 124               | _        |          |              |  |                |          |                | $I^-$    |                 |  |
|       | 125<br>126<br>127 |          |          |              |  |                |          |                |          |                 |  |
|       | 126               |          |          |              |  | _              | _        |                |          |                 |  |
|       | 127               | _        | _        | <u> </u>     | _  | _              | <u> </u> | _              | _        | Щ               |  |
|       | 128<br>129<br>130 | _        | _        |              | _  | <u> </u>       | <u> </u> | <u> </u>       |          | Щ               |  |
|       | 129               |          | -        |              |  |                | <u> </u> | ├—             | H        | $\vdash \vdash$ |  |
|       | 131               | -        |          | -            |  |                | -        | ⊢              | $\vdash$ | $\vdash$        |  |
|       | 131<br>132        |          |          |              |  |                | -        | -              | -        | Н               |  |
|       | 133               | -        |          |              | _  | $\vdash$       |          |                | -        | Н               |  |
|       | 134               |          | Т        | _            |  |                |          | $\vdash$       |          | Н               |  |
|       | 134<br>135        |          |          |              |  |                |          |                |          |                 |  |
|       | 136               |          |          |              |  |                |          |                |          |                 |  |
|       | 137               |          |          |              |  |                |          |                |          | Ш               |  |
|       | 138               |          |          | -            |  | $\vdash$       | <u> </u> | _              |          | $\square$       |  |
|       | 139<br>140        |          | $\vdash$ | Н            | _  | <u> </u>       | _        | $\vdash$       |          | $\vdash\vdash$  |  |
|       | 141               |          |          | Н            | -  | -              |          | -              | $\vdash$ | $\vdash \vdash$ |  |
|       | 142               | -        | -        | Н            |  | <u> </u>       | -        |                |          | $\dashv$        |  |
|       | 143               |          |          | $\vdash$     | _  |                |          |                | Н        | $\exists$       |  |
|       | 144               |          | П        |              |  |                |          | Т              |          | $\sqcap$        |  |
|       | 145               |          |          |              |  |                |          |                |          |                 |  |
|       | 146               |          |          |              |  |                |          |                |          |                 |  |
|       | 147               |          |          |              |  |                |          |                | Щ        |                 |  |
|       | 148               |          |          | $\vdash$     |  |                | _        | _              | $\vdash$ | Щ               |  |
|       | 149<br>150        |          | -        | $\vdash$     |  | <u> </u>       |          |                | H        | $\dashv$        |  |
|       | 130               |          |          |              |  | Щ.             | L        |                | ш        | Ш               |  |